

CLAIMS

1. An electrostatic microswitch intended to electrically connect at least two electrical strip conductors disposed on an insulating support, the two strip conductors
5 being connected electrically by conducting means provided in the central part of deformable means which can be deformed in relation to the support under the effect of an electrostatic force generated by control electrodes which are distributed facing one another on the deformable means and the support, so
10 as to form capacitive means around said conducting means, said conductive means performing the electrical connection between the two strip conductors when the deformable means are deformed to contact the ends of the strip conductors, wherein:
- the control electrode or the control electrodes on
15 the support or the control electrode or control electrodes on the deformable means is or are associated with insulating stop elements provided in order to prevent a short-circuit between electrodes of said capacitive means during the deformation of the deformable means,
 - 20 - the distance between the deformable means and the ends of the strip conductors is less than or equal to the distance between the insulating stop elements associated with a control electrode or control electrodes of the control electrode or the control electrodes facing one another,
 - 25 - the insulating stop elements are protruding parts of the control electrode(s) located opposite insulating parts located in or close to a control electrode or control electrodes facing one another.
- 30 2. A microswitch according to claim 1, wherein the deformable means are selected amongst a membrane and a beam.

3. A microswitch according to claim 1, wherein the deformable means are made of a conductive material and constitute a control electrode and the conductive means.

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4. A microswitch according to claim 1, wherein the deformable means are made of an insulating material and support conductive parts to constitute a control electrode or control electrodes and a conductive stud to constitute said
10 conductive means.

5. A microswitch according to claim 1, wherein each strip conductor end is formed on a projection of the support.

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6. A microswitch according to claim 1, wherein said conductive means are protruding in relation to the deformable means.

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7. A microswitch according to claim 1, wherein the microswitch being of an ohmic contact type, the conductive means can directly electrically contact the strip conductor ends.

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8. A microswitch according to claim 1, wherein the microswitch being of a capacitive contact type, an insulating material layer is interposed between the conductive means and the strip conductor ends.